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I hereby certify that this paper and every other referred to therein as being enclosed is deposited with the U.S. Postal Service in first class mail, postage prepaid, in an envelope addressed to Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450

September 8, 2003 (Date of Deposit)

09-08-03 [Signature]  
Date Name



PATENT

Attorney Docket No. 008401

RW Ref. No. APM/004-03-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: :  
Kenneth COLLINS, et al. :  
: Group Art Unit: Unknown  
Entitled: PLASMA IMMERSION ION :  
IMPLANTATION APPARATUS INCLUDING A :  
PLASMA SOURCE HAVING LOW :  
DISSOCIATION AND LOW MINIMUM PLASMA: :  
VOLTAGE : Examiner: Unknown  
Serial No.: 10/646,458 :  
Filing Date: August 22, 2003 :

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Prior to taking action in this case, please amend the above-identified patent application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Remarks** begin on page 4 of this paper.